ISO

Technical Committee 184: Industrial automation systems and   integration
Subcommittee 4: Industrial data

ISO New Work Item/CD Ballot for
ISO 13584-0025
"Logical resources: Logical model of supplier library with aggregate values and explicit content"

Enclosed is the ballot for ISO 13584-0025, "Logical resources: Logical model of supplier library with aggregate values and explicit content". This part of ISO 13584 provides generic EXPRESS resource constructs that support the description of aggregate data types and values occurring in supplier libraries. It also contains an integrated EXPRESS information model for representing supplier libraries for the purpose of exchange. This integrated information model integrates the above resource constructs with other EXPRESS resource constructs from different parts of ISO 13584 and ISO 10303 into one single schema. Supplier libraries may consist of definitions and of representations of families of parts. They may also define new representation categories. Supplier libraries may consist only of dictionary elements with or without   aggregate data types, or they may also contain explicit specifications of the sets of permitted instances. When used together with view exchange protocols, this integrated information model also permits the   exchange of one or several representation categories for the parts defined in a parts library.

The following are within the scope of this part of ISO 13584:
— generic resource constructs for representing aggregate data types. Aggregate data types and values are modeled according to the definition of aggregate data types of the EXPRESS language (ISO 10303-11: 1994);
— generic resource constructs for representing aggregate values;
— description of assembled parts that may contain an unlimited number of constituent components;
— a library integrated information model that provides for modeling and exchanging supplier libraries that contain properties whose values may be aggregate-structured, and whose possible class extensions are explicitly described as sets of instances.

P-members are asked to complete a ISO Form 5, vote on New Work Item, and ISO Form 8, Vote on Committee Draft Ballot, and provide this form with your comments to the ISO TC 184/SC4 Secretariat.

http://www.nist.gov/sc4/plib/parts/part025/forms

This draft is being balloted simultaneously as a New Work Item and Committee Draft. Only when the ballot has met all the requirements for passing a NWI will the CD votes be taken into account.

BALLOTS ARE DUE TO THE SC4 SECRETARIAT NO LATER THAN 2001/06/25.

The document is available digitally through SOLIS via ftp or www http://www.nist.gov/sc4/plib/parts/part025